



COMMUNICATIONS  
OF THE PATENT & TRADEMARK OFFICE

PAVI-25,964

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John P. Havener, Stephen Piche, Donald Semrad and Brian K. Stephenson  
Appl. No.: 10/041,769  
Filed: January 8, 2002  
Grp./A.U.: 2121  
Examiner: Not Yet Assigned  
Title: A METHOD FOR OPTIMIZING A PLANT WITH MULTIPLE INPUTS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231 on  
5/20/02  
(Date of Deposit)  
G. HOWISON  
(Name of Person Mailing Document)  
[Signature]  
(Signature)  
5/20/02  
(Date of Signature)

**SUBMISSION OF MISSING PARTS  
OF APPLICATION UNDER 37 C.F.R. 1.53**

Enclosed are the following items for filing in the above-referenced U.S. Patent Application:

1. A check in the total amount of \$1,698.00 to cover the filing fee (37 C.F.R. 1.16(a) et seq.) of \$1,568.00 and the surcharge set forth in 37 C.F.R. 1.16(e) of \$130.00. Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 20-0780/PAVI-25,964 of HOWISON, THOMA & ARNOTT, L.L.P. ;
2. Copy of Form PTO-1533 - Notice to File Missing Parts of Application;
3. Notice of Loss of Entitlement to Small Entity Status; and
4. Preliminary Amendment.

Respectfully submitted,  
HOWISON, THOMA & ARNOTT, L.L.P.  
Attorneys for Applicants

[Signature]  
Gregory M. Howison  
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May 20, 2002

**SUBMISSION OF MISSING PARTS  
S/N 10/041,769**

**FREE TRANSMITTAL**  
**for FY 2001**  
*Patent fees are subject to annual revision.*

**Complete if Known**

Application Number	10/041,769
Filing Date	1/8/02
First Named Inventor	Havener
Examiner Name	Not yet assigned
Group Art Unit	2121
Attorney Docket No.	PAVI-25,964

TOTAL AMOUNT OF PAYMENT (\$ ) 1,698.00

**METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 20-0780/PAVI-25,964

Deposit Account Name: Howison, Thoma & Amott, L.L.P.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	740.00
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$ ) 740.00

**2. EXTRA CLAIM FEES**

Total Claims: 52  
Independent Claims: 6  
Multiple Dependent: 46

Extra Claims: 32  
Fee from below: 18  
Fee Paid: 576.00

3  
Fee from below: 84  
Fee Paid: 252.00

828.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 18	203 9	Claims in excess of 20	
102 80	202 40	Independent claims in excess of 3	
104 270	204 135	Multiple dependent claim, if not paid	
109 80	209 40	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ ) 828.00

**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	130.00
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 130.00

**SUBMITTED BY**

Name (Print/Type)	Gregory M. Howison	Registration No. (Attorney/Agent)	30,646	Telephone	972-479-0462
Signature	<i>Gregory M. Howison</i>	Date	5/20/02		